

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/06/2018 04/06/2018	Keith Millard

LM Start		Rating **	M	Issue No.	3
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				
DWR ID	DWR_RD0349_01_f_2014_3				
Comment Code					
Inspector Comment					
Was not able to see flood fight material storage location. The President of the District was not available with me on this inspection and did not return phone call.					

No Photos

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				
DWR ID	DWR_RD0349_01_f_2014_4				
Comment Code					
Inspector Comment					
RD 349 has O&M Manual on hand.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/06/2018 04/06/2018	Keith Millard

LM Start		Rating **	M	Issue No.	14	
LM End		Issue Type +	Ma	Location *		
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				o	
					o	
DWR ID	DWR_RD0349_01_f_2014_14					
Comment Code						
Inspector Comment						
RD 349 does not have a crew, only landowners and farmers. Was not able to determine if they have been trained recently. LMA did not return my call.						

No Photos

LM Start	0.01	Rating **	U	Issue No.	23
LM End	0.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.327054 °	38.317598 °
				-121.577032 °	-121.579134 °
DWR ID	DWR_RD0349_01_f_2017_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Landside vegetation should be cleared to allow inspection and access.					

Photo 1 of 2 : SP_2018_RD0349_204_23_20180305_00010.jpg



Landside vegetation should be cleared to allow inspection and access.

LM Start	0.01	Rating **	U	Issue No.	23 (cont)
LM End	0.68	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2018_RD0349_204_23_20180409_00034.jpg



Landside vegetation has not been managed.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Unit No. 01 Sacramento River	Right	1.59	04/06/2018 04/06/2018	Keith Millard

LM Start	0.01	Rating **	U	Issue No.	13
LM End	0.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.327047 °	38.318996 °
				-121.577032 °	-121.578906 °
DWR ID	DWR_RD0349_01_f_2017_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Waterside vegetation should be cleared to 20 feet from crown for inspection and access.					

Photo 1 of 1 : SP_2018_RD0349_204_13_20180305_00003.jpg



Waterside vegetation should be cleared to 20 feet from crown for inspection and access.

LM Start	0.03	Rating **	M	Issue No.	7
LM End	0.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.326743 °	38.325844 °
				-121.576979 °	-121.577119 °
DWR ID	DWR_RD0349_01_s_2016_7				
Comment Code					
Inspector Comment					
2015: Erosion observed at the toe. [2015 Site ID: SAC_33-9_R]					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/06/2018 04/06/2018	Keith Millard

LM Start	0.61	Rating **	M	Issue No.	19
LM End	0.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.318596 °	38.318596 °
				-121.578979 °	-121.578979 °
DWR ID	DWR_RD0349_01_s_2018_19				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.64	Rating **	M	Issue No.	22
LM End	1.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.318106 °	38.307013 °
				-121.579076 °	-121.575518 °
DWR ID	DWR_RD0349_01_f_2017_22				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.73	Rating **	M	Issue No.	18
LM End	1.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.316821 °	38.311992 °
				-121.579161 °	-121.578460 °
DWR ID	DWR_RD0349_01_f_2017_18				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD0349_204_18_20180305_00007.jpg



Trim and thin trees on landside slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/06/2018 04/06/2018	Keith Millard

LM Start	0.80	Rating **	C	Issue No.	17
LM End	0.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.315733 °	38.315733 °
				-121.579197 °	-121.579197 °
DWR ID	DWR_RD0349_01_f_2017_17				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove dead tree laying on landside slope.					

No Photos

LM Start	1.00	Rating **	M	Issue No.	15
LM End	1.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.312911 °	38.312131 °
				-121.578528 °	-121.578292 °
DWR ID	DWR_RD0349_01_f_2017_15				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 52+92 to 55+88, Sec. 06, T. 5 N. R. 4 E., M.D.M. Approximately 296 linear-feet of eroded area exists along the waterside levee slope of the Sacramento River (Unit 1). Erosion commences at approximately 3/4 of the way down the slope from the crown and extends into the rip rap. Some rip rap has been pulled off in this section.					
Site ID No:318					
Site Designation:LMA-145					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/28/2017					
Notes: slope too steep, vegetation too thick for clear inspection, no direct visual of damage					

Photo 1 of 1 : SP_2018_RD0349_204_15_20180305_00004.jpg



Waterside erosion at LM 1.02.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/06/2018 04/06/2018	Keith Millard

LM Start	1.10	Rating **	M	Issue No.	26
LM End	1.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.311432 °	38.310689 °
				-121.578460 °	-121.577875 °
DWR ID	DWR_RD0349_01_f_2017_26				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.11	Rating **	U	Issue No.	29
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.311366 °	38.309955 °
				-121.578230 °	-121.577495 °
DWR ID	DWR_RD0349_01_f_2017_29				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD0349_204_29_20180409_00036.jpg



Manage landside vegetation to allow inspection and access.

LM Start	1.14	Rating **	M	Issue No.	24
LM End	1.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.310992 °	38.310992 °
				-121.578050 °	-121.578050 °
DWR ID	DWR_RD0349_01_s_2018_24				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/06/2018 04/06/2018	Keith Millard

LM Start	1.40	Rating **	M	Issue No.	32
LM End	1.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.307533 °	38.307533 °
				-121.575869 °	-121.575869 °
DWR ID	DWR_RD0349_01_f_2017_32				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.54	Rating **	U	Issue No.	34
LM End	1.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.305772 °	38.305252 °
				-121.574763 °	-121.574791 °
DWR ID	DWR_RD0349_01_f_2017_34				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo completely blocks visibility and access to waterside of levee.					

Photo 1 of 1 : SP_2018_RD0349_204_34_20180305_00015.jpg



Arundo completely blocks visibility and access to waterside of levee.
Must be removed.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	0.04	Rating **	M	Issue No.	44
LM End	0.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304877 °	38.304719 °
				-121.575384 °	-121.576083 °
DWR ID	DWR_RD0349_02_f_2017_44				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Waterside vegetation should be removed or thinned to 20 feet from crown to allow inspection and access.					

Photo 1 of 1 : SP_2018_RD0349_205_44_20180305_00041.jpg



Waterside vegetation should be removed or thinned to 20 feet from crown to allow inspection and access.

LM Start	0.04	Rating **	U	Issue No.	45
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304886 °	38.304726 °
				-121.575406 °	-121.576085 °
DWR ID	DWR_RD0349_02_s_2018_45				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD0349_205_45_20180409_00112.jpg



Manage landside vegetation to allow inspection and access.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

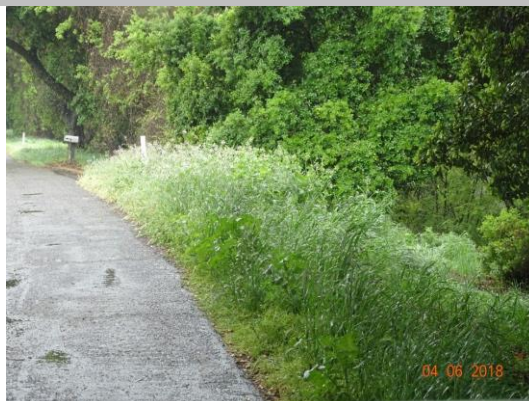
Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	0.12	Rating **	U	Issue No.	71
LM End	0.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304402 °	38.304402 °
				-121.576753 °	-121.576753 °
DWR ID	DWR_RD0349_02_s_2018_71				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD0349_205_71_20180409_00114.jpg



Manage landside vegetation to allow inspection and access.

LM Start	0.12	Rating **	U	Issue No.	72	
LM End	0.17	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.304405 °		38.303999 °
				-121.576763 °		-121.577367 °
DWR ID	DWR_RD0349_02_s_2018_72					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						

Photo 1 of 1 : SP_2018_RD0349_205_72_20180409_00115.jpg



Reduce waterside vegetation to 20' from crown.

LM Start	0.14	Rating **	M	Issue No.	74
LM End	1.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304250 °	38.281624 °
				-121.576987 °	-121.589642 °
DWR ID	DWR_RD0349_02_s_2018_74				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	0.17	Rating **	M	Issue No.	75
LM End	1.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304000 °	38.281624 °
				-121.577375 °	-121.589642 °
DWR ID	DWR_RD0349_02_s _ 2018_75				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.22	Rating **	M	Issue No.	77
LM End	0.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.303517 °	38.303517 °
				-121.578191 °	-121.578191 °
DWR ID	DWR_RD0349_02_s _ 2018_77				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	0.34	Rating **	A/W	Issue No.	9
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.302358 °	38.301772 °
				-121.579707 °	-121.580093 °
DWR ID	DWR_RD0349_02_s_2016_9				
Comment Code					
Inspector Comment					
2007 - Slow erosion, probably due to wave wash and fluvial erosion. Site has likely been here for awhile but was unseen due to boats parked in front. 2015: Large tree popout, scarp reaches crown of levee. [2015 Site ID: STM_25-8_R]					

Photo 1 of 1 : SP_2018_RD0349_205_9_20180305_00009.jpg



USACE 2013 Photo #1

LM Start	0.35	Rating **	A/W	Issue No.	39
LM End	0.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.302368 °	38.302368 °
				-121.579933 °	-121.579933 °
DWR ID	DWR_RD0349_02_s_2017_39				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
This erosion occurred during the Feb Storm 2017 event.					

Photo 1 of 1 : SP_2018_RD0349_205_39_20180305_00029.jpg



RD 349 Unit 2 levee mile 0.35 waterside slope and shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	0.35	Rating **	A/W	Issue No.	32
LM End	0.37	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.302217°	38.302017°	
			-121.579847°	-121.580017°	
DWR ID	DWR_RD0349_02_f_2017_32				
Comment Code					
Inspector Comment					
<p>Levee Evaluation Comments</p> <p>Description: District Station 19+13 to 20+07, Sec. 07, T. 5 N. R. 4 E., M.D.M. . Approximately 94 linear feet of erosion exists on the water side slope of the Steamboat Slough levee (Unit 2). The erosion area commences approximately halfway down the slope from the levee crown and extends to the waterside toe. No rip rap is visible in this area.</p> <p>Site ID No: 320</p> <p>Site Designation: LMA-147</p> <p>Repair Type: Erosion</p> <p>Rating: Critical</p> <p>Field Date: 7/26/2017</p> <p>Notes: fallen tree present</p>					

LM Start	0.35	Rating **	A/W	Issue No.	32 (cont)
LM End	0.37	Issue Type +	Ma	Location *	

Photo 1 of 3 : SP_2018_RD0349_205_32_20180305_00015.jpg

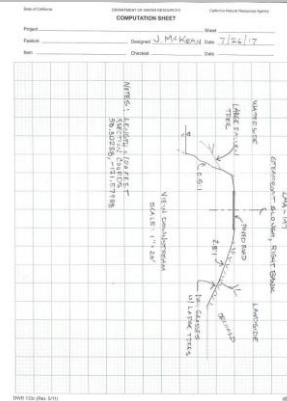


Photo 2 of 3 : SP_2018_RD0349_205_32_20180305_00016.jpg



<p>* Location</p> <p>LS : Land Side N/A : Not Applicable</p> <p>WS : Water Side</p> <p>CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable</p> <p>M : Minimally Acceptable</p> <p>U : Unacceptable</p>	<p>N : Not Inspected/Rated</p> <p>C : Corrected</p> <p>A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type</p> <p>Ma : Maintenance Deficiency</p> <p>Ob : Design & System Obsolescence</p> <p>En : Enforcement</p>
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	0.35	Rating **	A/W	Issue No.	32 (cont)
LM End	0.37	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.302217 °	38.302017 °
				-121.579847 °	-121.580017 °
DWR ID	DWR_RD0349_02_f_2017_32				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description: District Station 19+13 to 20+07, Sec. 07, T. 5 N. R. 4 E., M.D.M. . Approximately 94 linear feet of erosion exists on the water side slope of the Steamboat Slough levee (Unit 2). The erosion area commences approximately halfway down the slope from the levee crown and extends to the waterside toe. No rip rap is visible in this area.					
Site ID No:320					
Site Designation:LMA-147					
Repair Type: Erosion					
Rating:Critical					
Field Date:7/26/2017					
Notes: fallen tree present					

Photo 3 of 3 : SP_2018_RD0349_205_32_20180305_00017.jpg



LM Start	0.35	Rating **	M	Issue No.	38
LM End	0.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.302277 °	38.302277 °
				-121.579960 °	-121.579960 °
DWR ID	DWR_RD0349_02_s_2017_38				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on the waterside slope cut up and remove from the levee section.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	0.45	Rating **	M	Issue No.	49
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.300990 °	38.300853 °
				-121.580678 °	-121.580748 °
DWR ID	DWR_RD0349_02_s_2016_49				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Thin out the trees to allow the slope to be seen.					

No Photos

LM Start	0.60	Rating **	M	Issue No.	13
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.298897 °	38.297384 °
				-121.581571 °	-121.582176 °
DWR ID	DWR_RD0349_02_s_2016_13				
Comment Code					
Inspector Comment					
2010 - Small maintenance, erosion into the toe. 2011 - Minor new erosion at toe. 2015: Minor new erosion at toe, new tree popout. [2015 Site ID: STM_25-5_R]					

Photo 1 of 1 : SP_2018_RD0349_205_13_20180305_00012.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	0.71	Rating **	M	Issue No.	52
LM End	0.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.297441 °	38.297441 °
				-121.582451 °	-121.582451 °
DWR ID	DWR_RD0349_02_f_2017_52				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Landside trees should be trimmed and maintained to allow inspection and access to levee slope and toe.					

Photo 1 of 1 : SP_2018_RD0349_205_52_20180305_00046.jpg



Landside trees should be trimmed and maintained to allow inspection and access to levee slope and toe.

LM Start	0.93	Rating **	M	Issue No.	7
LM End	0.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.294385 °	38.294385 °
				-121.583351 °	-121.583351 °
DWR ID	DWR_RD0349_02_f_2017_7				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree has been removed from road, but currently obstructs visibility and access to landside slope. Smaller branches/foliage are stacked along both roadway shoulders. All debris should be removed from levee.					

Photo 1 of 1 : SP_2018_RD0349_205_7_20180305_00008.jpg



Fallen tree on landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	1.33	Rating **	M	Issue No.	40 (cont)	
LM End	1.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.288727 °	38.286475 °	
				-121.583823 °	-121.585026 °	
DWR ID	DWR_RD0349_02_f_2017_40					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:66						
Site Designation:DWR_RD0349_02_s_2012_28						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:6/7/2017						
Notes: dense vegetation and large trees hindered visibility; slope riprap appeared failing in some parts						

Photo 3 of 3 : SP_2018_RD0349_205_40_20180305_00032.jpg



LM Start	1.33	Rating **	A/W	Issue No.	10
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.288727 °	38.286475 °
				-121.583823 °	-121.585026 °
DWR ID	DWR_RD0349_02_s_2016_10				
Comment Code					
Inspector Comment					
1997 - Erosion of very sandy levee behind large stand of riparian vegetation on top right bank. Dry ravel of sand. 1999 - Quarry waste rock was dumped down the levee slope; poor repair job; still eroding in places. Eroding at midslope off fabric. 2005 - Length revised, only the middle 150 - 200 ft are eroding. 2006 - Some rock/small material dumped down the bank but it is slowly unraveling. Upstream end is unraveling faster. Steep slope with poor gradation so fines are washing out. 2010 - Lots of overhanging trees and erosion pockets. 2011 - This site is upgraded to CRITICAL. Near vertical bank at the downstream end. New erosion at various locations throughout the site. 2015: No observed changes. [2015 Site ID: STM_24-7_R]					

Photo 1 of 1 : SP_2018_RD0349_205_10_20180305_00010.jpg



USACE 2013 Photo #1

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	1.46	Rating **	A/W	Issue No.	34
LM End	1.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.286886 °	38.286861 °
				-121.584589 °	-121.584622 °
DWR ID	DWR_RD0349_02_f_2017_34				

DWR ID	DWR_RD0349_02_f_2017_34
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Comment Code

[illegible]

Inspector Comment	
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Levee Evaluation Comments

Description: District Station 77+56 to 77+68, Sec. 18, T. 5 N. R. 4 E., M.D.M. Approximately 12 linear feet of erosion/sloughing exists along the water side slope of Steamboat Slough (Unit 2). The erosion area commences approximately halfway down the slope from the levee crown and extends to the waterside toe around existing trees. No rip rap is visible in this area.

Site ID No:322

Site Designation:LMA-149

Repair Type: Erosion

Rating:Area of Concern

Field Date: 7/28/2017

Notes: no berm

LM Start	1.46	Rating **	A/W	Issue No.	34 (cont)
LM End	1.46	Issue Type +	Ma	Location *	

A photograph of a tree trunk in a forest. The tree has a thick, greyish-brown bark. There is a prominent, dark, irregular mark on the bark, which appears to be a beaver scar. The surrounding area is filled with green foliage, including ferns and other plants. The ground is covered with dry leaves and twigs.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	1.48	Rating **	A/W	Issue No.	37 (cont)
LM End	1.49	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.286708 °	38.286569 °
				-121.584839 °	-121.585042 °
DWR ID	DWR_RD0349_02_f_2017_37				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 78+51 to 79+28, Sec. 18, T. 5 N. R. 4 E., M.D.M. Approximately 77 linear feet of erosion and scour exist along the water side slope of Steamboat Slough (Unit 2). The erosion area commences approximately halfway down the slope from the levee crown and extends to the waterside toe around existing trees. No rip rap is visible in this area.					
Site ID No:323					
Site Designation:LMA-150					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/28/2017					
Notes: no berm					

Photo 2 of 2 : SP_2018_RD0349_205_37_20180305_00028.jpg



LM Start	1.62	Rating **	M	Issue No.	33
LM End	1.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.285497 °	38.285497 °
				-121.587083 °	-121.587083 °
DWR ID	DWR_RD0349_02_s_2018_33				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	1.68	Rating **	M	Issue No.	54
LM End	1.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.285002 °	38.285002 °
				-121.587882 °	-121.587882 °
DWR ID	DWR_RD0349_02_s_2018_54				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.04	Rating **	M	Issue No.	19
LM End	2.05	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.280069 °	38.279919 °
				-121.589443 °	-121.589438 °
DWR ID	DWR_RD0349_02_s_2016_19				
Comment Code					
Inspector Comment					
2011 - Small scallop caused by erosion and wave wash. 2015: No observed changes. [2015 Site ID: STM_24-1_R]					

Photo 1 of 1 : SP_2018_RD0349_205_19_20180305_00014.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	2.11	Rating **	A/W	Issue No.	41
LM End	2.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.279039 °	38.278806 °
				-121.589664 °	-121.589783 °
DWR ID	DWR_RD0349_02_f _ 2017_41				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 112+11 to 113+04, Sec. 13, T. 5 N. R. 3 E., M.D.M. Approximately 93 linear feet of erosion exists along the water side slope of Steamboat Slough (Unit 2). The erosion area commences approximately 3/4 of the way down the slope from the levee crown and extends to the waterside toe around existing trees. No rip rap is visible in this area.					
Site ID No:324					
Site Designation:LMA-151					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/28/2017					
Notes: no berm					

Photo 1 of 3 : SP_2018_RD0349_205_41_20180305_00033.jpg



LM Start	2.11	Rating **	A/W	Issue No.	41 (cont)
LM End	2.13	Issue Type +	Ma	Location *	

Photo 2 of 3 : SP_2018_RD0349_205_41_20180305_00034.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

Photo 3 of 3 : SP_2018_RD0349_205_41_20180305_00035.jpg



Photo 1 of 1 : SP_2018_RD0349_205_16_20180305_00013.jpg



USACE 2013 Photo #1

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enfranchisement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	2.26	Rating **	M	Issue No.	55
LM End	4.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.277275 °	38.254795 °	
			-121.591159 °	-121.600082 °	
DWR ID	DWR_RD0349_02_s _ 2018_55				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.26	Rating **	M	Issue No.	56
LM End	2.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.277267 °	38.275716 °	
			-121.591175 °	-121.591365 °	
DWR ID	DWR_RD0349_02_s _ 2018_56				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	2.44	Rating **	M	Issue No.	78
LM End	2.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.274897 °	38.269442 °
				-121.590571 °	-121.589802 °
DWR ID	DWR_RD0349_02_s_2018_78				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.56	Rating **	A/W	Issue No.	3
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.273854 °	38.271998 °
				-121.588745 °	-121.589424 °
DWR ID	DWR_RD0349_02_s_2016_3				
Comment Code					
Inspector Comment					
2011 - Toe scour at the tidal zone. 2015: New tree popout and minor new erosion. [2015 Site ID: STM_23-6_R]					

Photo 1 of 2 : SP_2018_RD0349_205_3_20180305_00004.jpg



USACE 2013 Photo #1

LM Start	2.56	Rating **	A/W	Issue No.	3 (cont)
LM End	2.69	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2018_RD0349_205_3_20180305_00005.jpg



USACE 2013 Photo #2

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	2.56	Rating **	A/W	Issue No.	43
LM End	2.59	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.273769 °	38.273386 °
				-121.588742 °	-121.588672 °
DWR ID	DWR_RD0349_02_f_2017_43				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 135+81 to 137+00, Sec. 13, T. 5 N. R. 3 E., M.D.M. Approximately 119 linear feet of sloughing exists due to scour along the water side toe of Steamboat Slough (Unit 2). The erosion area commences approximately 3/4 of the way down the slope from the levee crown and extends to the waterside toe. No rip rap is visible in this area.					
Site ID No:326					
Site Designation:LMA-153					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/28/2017					
Notes: no berm					

Photo 1 of 3 : SP_2018_RD0349_205_43_20180305_00038.jpg



LM Start	2.56	Rating **	A/W	Issue No.	43 (cont)
LM End	2.59	Issue Type +	Ma	Location *	

Photo 2 of 3 : SP_2018_RD0349_205_43_20180305_00039.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	2.56	Rating **	A/W	Issue No.	43 (cont)
LM End	2.59	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.273769 °	38.273386 °
				-121.588742 °	-121.588672 °
DWR ID	DWR_RD0349_02_f_2017_43				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 135+81 to 137+00, Sec. 13, T. 5 N. R. 3 E., M.D.M. Approximately 119 linear feet of sloughing exists due to scour along the water side toe of Steamboat Slough (Unit 2). The erosion area commences approximately 3/4 of the way down the slope from the levee crown and extends to the waterside toe. No rip rap is visible in this area.					
Site ID No:326					
Site Designation:LMA-153					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/28/2017					
Notes: no berm					

Photo 3 of 3 : SP_2018_RD0349_205_43_20180305_00040.jpg



LM Start	2.87	Rating **	U	Issue No.	61
LM End	2.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.269471 °	38.268743 °
				-121.589826 °	-121.589480 °
DWR ID	DWR_RD0349_02_f_2017_61				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Thick brush, vines, horsetail and grass block visibility and access. Should be cleared.					

Photo 1 of 1 : SP_2018_RD0349_205_61_20180409_00117.jpg



Manage landside vegetation to allow inspection and access.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	2.93	Rating **	M	Issue No.	79
LM End	2.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.268709 °	38.267938 °
				-121.589457 °	-121.588921 °
DWR ID	DWR_RD0349_02_s_2018_79				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.07	Rating **	M	Issue No.	66
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.266786 °	38.263595 °
				-121.588438 °	-121.588630 °
DWR ID	DWR_RD0349_02_s_2018_66				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.29	Rating **	U	Issue No.	62
LM End	3.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.263594 °	38.262449 °
				-121.588629 °	-121.593726 °
DWR ID	DWR_RD0349_02_s_2018_62				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Thick berry vines completely block inspection and access to toe.					

Photo 1 of 1 : SP_2018_RD0349_205_62_20180409_00119.jpg



Remove berry vines to allow inspection and access.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	3.36	Rating **	M	Issue No.	63
LM End	3.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.262866 °	38.262866 °
				-121.589346 °	-121.589346 °
DWR ID	DWR_RD0349_02_f_2017_63				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Landside trees should be trimmed or thinned to allow inspection and access to levee slope and toe. Trees smaller than 4-inches in diameter at chest height should be removed.					

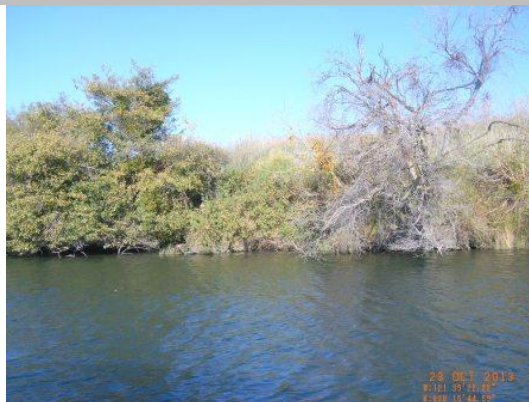
Photo 1 of 1 : SP_2018_RD0349_205_63_20180305_00053.jpg



Landside trees should be trimmed or thinned to allow inspection and access to levee slope and toe.

LM Start	3.38	Rating **	M	Issue No.	11
LM End	3.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.262510 °	38.262533 °
				-121.589481 °	-121.591690 °
DWR ID	DWR_RD0349_02_s_2016_11				
Comment Code					
Inspector Comment					
2010 - Slumping sections on the lower bank, appears to be scouring around the trees. 2011 - Soil beach at toe. 2015: No observed changes. [2015 Site ID: STM_22-8_R]					

Photo 1 of 1 : SP_2018_RD0349_205_11_20180305_00011.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	3.72	Rating **	M	Issue No.	69
LM End	4.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.261187 °	38.254794 °
				-121.595043 °	-121.600080 °
DWR ID	DWR_RD0349_02_f_2017_69				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove thick grapevines to allow visibility and access to landside levee slope.					

No Photos

LM Start	3.72	Rating **	M	Issue No.	64
LM End	3.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.261143 °	38.261143 °
				-121.595071 °	-121.595071 °
DWR ID	DWR_RD0349_02_s_2018_64				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove cactus (century plants) from waterside shoulder.					

No Photos

LM Start	3.72	Rating **	C	Issue No.	22
LM End	3.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.261111 °	38.261001 °
				-121.595062 °	-121.595052 °
DWR ID	DWR_RD0349_02_s_2012_22				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree limbs from the levee slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/06/2018 04/06/2018	Keith Millard

LM Start	3.81	Rating **	M	Issue No.	85
LM End	3.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.259882 °	38.257252 °
				-121.595245 °	-121.595403 °
DWR ID	DWR_RD0349_02_f_2015_85				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Exterminate the rodents from the levee section.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	0.00	Rating **	M	Issue No.	34
LM End	0.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254795 °	38.266231 °
				-121.600083 °	-121.601878 °
DWR ID	DWR_RD0349_03_f_2017_34				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Waterside vegetation should be removed to 20 feet from crown to allow inspection and access.					

Photo 1 of 1 : SP_2018_RD0349_206_34_20180305_00005.jpg



Waterside vegetation should be removed to 20 feet from crown to allow inspection and access.

LM Start	0.00	Rating **	M	Issue No.	32
LM End	0.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254795 °	38.266230 °
				-121.600084 °	-121.601882 °
DWR ID	DWR_RD0349_03_s_2018_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control grasses and remove occasional berry vines.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	0.04	Rating **	M	Issue No.	37
LM End	0.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.255327 °	38.255327 °
				-121.600033 °	-121.600033 °
DWR ID	DWR_RD0349_03_f_2016_37				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Dead tree on the waterside slope (large). This tree will fall and block access to the levee crown roadway. Remove the dead tree from the levee section.					

Photo 1 of 1 : SP_2018_RD0349_206_37_20180305_00008.jpg



RD 349 Unit 4 levee mile 0.04 Dead tree on the waterside shoulder and crown roadway.

LM Start	0.17	Rating **	M	Issue No.	38
LM End	1.14	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.257200 °	38.270755 °
				-121.599772 °	-121.603570 °
DWR ID	DWR_RD0349_03_s_2017_38				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	0.30	Rating **	C	Issue No.	59
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.259081 °	38.259081 °
				-121.600046 °	-121.600046 °
DWR ID	DWR_RD0349_03_s_2014_59				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree limb from the landside slope.					

No Photos

LM Start	0.76	Rating **	U	Issue No.	8	
LM End	0.76	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.265637 °		38.265637 °
				-121.601640 °		-121.601640 °
DWR ID	DWR_RD0349_03_f_2017_8					
Comment Code						
T2 : Thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						
Trim large fig tree to allow visibility and access to landside levee slope.						

Photo 1 of 1 : SP_2018_RD0349_206_8_20180305_00001.jpg



Trim trees on landside at LM 0.76.

LM Start	0.78	Rating **	M	Issue No.	9
LM End	0.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.265918 °	38.265918 °
				-121.601736 °	-121.601736 °
DWR ID	DWR_RD0349_03_f_2017_9				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Clear fallen branches from waterside slope and crown road.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	0.81	Rating **	U	Issue No.	68
LM End	1.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.266309 °	38.269859 °
				-121.601895 °	-121.603542 °
DWR ID	DWR_RD0349_03_s_2018_68				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD0349_206_68_20180409_00089.jpg



Waterside vegetation should be reduced to 20' from crown.

LM Start	0.83	Rating **	U	Issue No.	69
LM End	1.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.266568 °	38.269859 °
				-121.601958 °	-121.603541 °
DWR ID	DWR_RD0349_03_s_2018_69				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD0349_206_69_20180409_00090.jpg



Manage landside vegetation to allow inspection and access.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	1.11	Rating **	M	Issue No.	51
LM End	1.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.270452 °	38.270452 °
				-121.603587 °	-121.603587 °
DWR ID	DWR_RD0349_03_f_2017_51				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.26	Rating **	U	Issue No.	71
LM End	1.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.272528 °	38.275496 °
				-121.603044 °	-121.601273 °
DWR ID	DWR_RD0349_03_s_2018_71				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD0349_206_71_20180409_00092.jpg



Manage landside vegetation to allow inspection and access.

LM Start	1.26	Rating **	U	Issue No.	70
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.272528 °	38.275496 °
				-121.603043 °	-121.601272 °
DWR ID	DWR_RD0349_03_s_2018_70				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD0349_206_70_20180409_00091.jpg



Waterside vegetation should be reduced to 20' from crown.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	1.47	Rating **	M	Issue No.	33
LM End	1.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.275308 °	38.275308 °
				-121.601342 °	-121.601342 °
DWR ID	DWR_RD0349_03_f_2017_33				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove remnants of 2 dead trees on landside slope.					

No Photos

LM Start	1.48	Rating **	M	Issue No.	72
LM End	1.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.275341 °	38.275341 °
				-121.601355 °	-121.601355 °
DWR ID	DWR_RD0349_03_s_2018_72				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	1.49	Rating **	M	Issue No.	73
LM End	5.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.275496 °	38.330972 °	
			-121.601271 °	-121.584321 °	
DWR ID	DWR_RD0349_03_s_2018_73				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.49	Rating **	M	Issue No.	74
LM End	6.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.275496 °	38.327592 °	
			-121.601271 °	-121.577832 °	
DWR ID	DWR_RD0349_03_s_2018_74				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	1.49	Rating **	M	Issue No.	97
LM End	1.49	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.275532 °	38.275532 °	
			-121.601225 °	-121.601225 °	
DWR ID					

Comment Code

Inspector Comment

FS_ID:43446
DS_ID:24229
EP_NO: 2954
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.
FIELD_STRUCT_DESC: [R.D. No. 349 Drainage Pumping Plant] 1 of 3: 18-inch steel drainage pipe through the levee, 7.8 feet below the crown. Siphon breakers on waterside (WS) slope. Pumps on platform on landside (LS). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit No. 110, May 1959, revised 29 Dec 2016, (HLM 1.6)]
FS Date: 3/19/2009

LM Start	1.49	Rating **	M	Issue No.	97 (cont)
LM End	1.49	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_SP_2018_43446_36725.jpg



Aerial map showing alignment of 18-inch pipe.

Photo 2 of 2 : UCIP_SP_2018_43446_36726.jpg



View of all 3 pipes through levee and visible on waterward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	1.49	Rating **	M	Issue No.	98
LM End	1.49	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.275546 °	38.275546 °	
			-121.601218 °	-121.601218 °	
DWR ID					

Comment Code

Inspector Comment

FS_ID:43445
DS_ID:24228
EP_NO: 2954
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.
FIELD_STRUCT_DESC: [R.D. No. 349 Drainage Pumping Plant] 2 of 3: 24-inch steel drainage pipe through the levee, 7.8 feet below the crown. Siphon breakers on waterside (WS) slope. Pumps on platform on landside (LS). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit No. 110, May 1959, revised 29 Dec 2016, (HLM 1.6)]
FS Date: 3/19/2009

LM Start	1.49	Rating **	M	Issue No.	98 (cont)
LM End	1.49	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_43445_36730.jpg



Enter photo 5 description or comment here.

Photo 2 of 3 : UCIP_SP_2018_43445_36727.jpg



View of pipe on waterward side--pipe running. Siphon breaker visible on pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	1.49	Rating **	M	Issue No.	98 (cont)
LM End	1.49	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.275546 °	38.275546 °
				-121.601218 °	-121.601218 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:43445
DS_ID:24228
EP_NO: 2954
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.
FIELD_STRUCT_DESC: [R.D. No. 349 Drainage Pumping Plant] 2 of 3: 24-inch steel drainage pipe through the levee, 7.8 feet below the crown. Siphon breakers on waterside (WS) slope. Pumps on platform on landside (LS). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit No. 110, May 1959, revised 29 Dec 2016, (HLM 1.6)]
FS Date: 3/19/2009

Photo 3 of 3 : UCIP_SP_2018_43445_36728.jpg



Pipe is wrapped--unwrapped coating.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	1.49	Rating **	M	Issue No.	99
LM End	1.49	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.275570 °	38.275570 °
				-121.601222 °	-121.601222 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:21632
DS_ID:24171
EP_NO: 2954
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.
FIELD_STRUCT_DESC: [R.D. No. 349 Drainage Pumping Plant] 3 of 3: 24-inch steel drainage pipe through the levee, 7.8 feet below the crown. Metal cutoff wall around pipe at landside (LS) shoulder. Siphon breakers on waterside (WS) slope. Two anchor posts driven into levee on each side of pipe. Pumps on platform on LS. (additional pump and 24-inch pipe to existing district pumping plant authorized under Permit No. 2954, 1959 - Reclamation District No. 349 [RD0349]) [Additional Reference(s): DWR Levee Log, 2005]
FS Date: 3/19/2009

LM Start	1.49	Rating **	M	Issue No.	99 (cont)
LM End	1.49	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_21632_36733.jpg



Aerial view of all 3 pipes through levee.

Photo 2 of 3 : UCIP_SP_2018_21632_36731.jpg



View of waterward side--2-24 inch pipes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	1.49	Rating **	M	Issue No.	99 (cont)	
LM End	1.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.275570 °	38.275570 °	
				-121.601222 °	-121.601222 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:21632 DS_ID:24171 EP_NO: 2954 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: [R.D. No. 349 Drainage Pumping Plant] 3 of 3: 24-inch steel drainage pipe through the levee, 7.8 feet below the crown. Metal cutoff wall around pipe at landside (LS) shoulder. Siphon breakers on waterside (WS) slope. Two anchor posts driven into levee on each side of pipe. Pumps on platform on LS. (additional pump and 24-inch pipe to existing district pumping plant authorized under Permit No. 2954, 1959 - Reclamation District No. 349 [RD0349]) [Additional Reference(s): DWR Levee Log, 2005] FS Date: 3/19/2009						

Photo 3 of 3 : UCIP_SP_2018_21632_36734.jpg



All 3 pipes visible on waterward side--tall grass limits inspection on waterward side.

LM Start	1.92	Rating **	M	Issue No.	2
LM End	1.97	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.310959 °	38.311288 °
				-121.597748 °	-121.596972 °
DWR ID	DWR_RD0349_03_s_2016_2				
Comment Code					
Inspector Comment					
2015: Tall vertical sections into the levee slope and erosion along the toe. [2015 Site ID: STR_26-1_R]					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	2.55	Rating **	U	Issue No.	41
LM End	2.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.289420 °	38.292202 °
				-121.603321 °	-121.603669 °
DWR ID	DWR_RD0349_03_f_2017_41				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD0349_206_41_20180305_00010.jpg



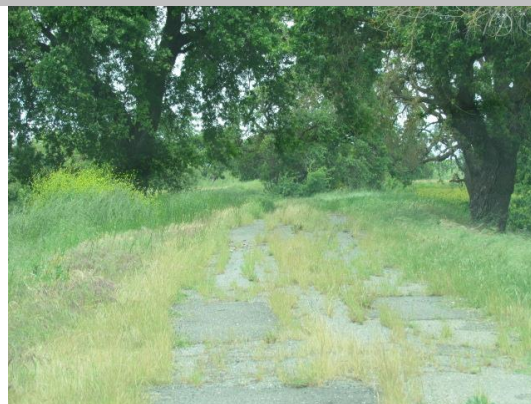
Trim trees at LM 2.84.

LM Start	2.83	Rating **	M	Issue No.	35
LM End	2.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.293482 °	38.295376 °
				-121.604053 °	-121.604726 °
DWR ID	DWR_RD0349_03_s_2018_35				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.99	Rating **	M	Issue No.	50
LM End	4.91	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.307972 °	38.318371 °
				-121.597037 °	-121.589593 °
DWR ID	DWR_RD0349_03_s_2017_50				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Keep the crown roadway free of vegetation.					

Photo 1 of 1 : SP_2018_RD0349_206_50_20180305_00014.jpg



RD 349 Unit 4 levee mile 3.99 -6.33 crown roadway.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	4.12	Rating **	M	Issue No.	46
LM End	4.12	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.309669 °	38.309669 °
				-121.598068 °	-121.598068 °
DWR ID	DWR_RD0349_03_f_2017_46				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Trim trees to 12 feet above crown road.					

Photo 1 of 1 : SP_2018_RD0349_206_46_20180305_00011.jpg



Trim trees to 12 feet above crown road.

LM Start	4.20	Rating **	M	Issue No.	78
LM End	4.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.310528 °	38.310528 °
				-121.597180 °	-121.597180 °
DWR ID	DWR_RD0349_03_f_2014_78				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Dead tree need removing from levee section.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	4.48	Rating **	M	Issue No.	76
LM End	4.48	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.312980 °	38.312980 °
				-121.593081 °	-121.593081 °
DWR ID	DWR_RD0349_03_s_2018_76				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.52	Rating **	M	Issue No.	77
LM End	4.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.313317 °	38.313317 °
				-121.592608 °	-121.592608 °
DWR ID	DWR_RD0349_03_s_2018_77				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.56	Rating **	M	Issue No.	52
LM End	4.56	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.313758 °	38.313758 °
				-121.592080 °	-121.592080 °
DWR ID	DWR_RD0349_03_f_2017_52				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	4.64	Rating **	M	Issue No.	54
LM End	4.64	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.314770 °	38.314770 °
				-121.591497 °	-121.591497 °
DWR ID	DWR_RD0349_03_s_2018_54				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.67	Rating **	M	Issue No.	79
LM End	4.67	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.315218 °	38.315218 °
				-121.591301 °	-121.591301 °
DWR ID	DWR_RD0349_03_s_2018_79				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	4.71	Rating **	M	Issue No.	53
LM End	4.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.315813 °	38.315813 °
				-121.590960 °	-121.590960 °
DWR ID	DWR_RD0349_03_f_2017_53				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Trim tree to 12 feet above crown road, also remove low branch on waterside sholder.					

Photo 1 of 1 : SP_2018_RD0349_206_53_20180305_00015.jpg



Trim trees to 12 feet above crown road.

LM Start	4.74	Rating **	M	Issue No.	55
LM End	4.74	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.316182 °	38.316182 °
				-121.590745 °	-121.590745 °
DWR ID	DWR_RD0349_03_s_2018_55				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.77	Rating **	M	Issue No.	80
LM End	4.77	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.316579 °	38.316579 °
				-121.590501 °	-121.590501 °
DWR ID	DWR_RD0349_03_s_2018_80				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	4.79	Rating **	M	Issue No.	56
LM End	4.79	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.316767 °	38.316767 °
				-121.590391 °	-121.590391 °
DWR ID	DWR_RD0349_03_f_2017_56				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Trim trees to 12 feet above levee crown.					

Photo 1 of 1 : SP_2018_RD0349_206_56_20180305_00017.jpg



Trim trees to 12 feet above levee crown.

LM Start	4.91	Rating **	M	Issue No.	47
LM End	5.59	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.318371 °	38.326229 °
				-121.589593 °	-121.584754 °
DWR ID	DWR_RD0349_03_f _ 2017_47				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD0349_206_47_20180305_00012.jpg



Crown vegetation at LM 4.92.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	4.96	Rating **	M	Issue No.	57
LM End	4.99	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.319073 °	38.319491 °
				-121.589639 °	-121.589634 °
DWR ID	DWR_RD0349_03_s _ 2018_57				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	5.01	Rating **	M	Issue No.	81
LM End	5.01	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.319835 °	38.319835 °
				-121.589601 °	-121.589601 °
DWR ID	DWR_RD0349_03_s _ 2018_81				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	5.05	Rating **	M	Issue No.	82
LM End	5.05	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.320362 °	38.320362 °
				-121.589623 °	-121.589623 °
DWR ID	DWR_RD0349_03_s _ 2018_82				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	5.06	Rating **	M	Issue No.	3
LM End	5.18	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.320491 °	38.322233 °
				-121.589927 °	-121.590127 °
DWR ID	DWR_RD0349_03_s_2016_3				
Comment Code					
Inspector Comment					
2015: Large Tree popout and tall vertical sections into the levee slope. [2015 Site ID: STR_26-9_L]					

No Photos

LM Start	5.06	Rating **	M	Issue No.	83
LM End	5.06	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.320617 °	38.320617 °
				-121.589650 °	-121.589650 °
DWR ID	DWR_RD0349_03_s_2018_83				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	5.09	Rating **	M	Issue No.	58
LM End	5.09	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.320934 °	38.320934 °
				-121.589686 °	-121.589686 °
DWR ID	DWR_RD0349_03_f_2017_58				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	5.15	Rating **	M	Issue No.	84
LM End	5.15	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.321812 °	38.321812 °
				-121.589753 °	-121.589753 °
DWR ID	DWR_RD0349_03_s_2018_84				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	5.24	Rating **	M	Issue No.	85
LM End	5.28	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.322848 °	38.322992 °
				-121.588906 °	-121.588272 °
DWR ID	DWR_RD0349_03_s_2018_85				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	5.30	Rating **	M	Issue No.	86
LM End	5.31	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.323070 °	38.323125 °
				-121.587923 °	-121.587726 °
DWR ID	DWR_RD0349_03_s_2018_86				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	5.33	Rating **	M	Issue No.	87
LM End	5.36	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.323204 °	38.323373 °
				-121.587392 °	-121.586898 °
DWR ID	DWR_RD0349_03_s_2018_87				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	5.40	Rating **	M	Issue No.	60
LM End	5.42	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.323767 °	38.323966 °
				-121.586269 °	-121.586029 °
DWR ID	DWR_RD0349_03_f_2017_60				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Trim trees to 12 feet above levee crown.					

Photo 1 of 1 : SP_2018_RD0349_206_60_20180305_00018.jpg



Trim trees to 12 feet above levee crown.

LM Start	5.44	Rating **	M	Issue No.	88
LM End	5.47	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.324120 °	38.324602 °
				-121.585884 °	-121.585586 °
DWR ID	DWR_RD0349_03_s_2018_88				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	5.53	Rating **	M	Issue No.	61
LM End	5.55	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.325304 °	38.325613 °
				-121.585180 °	-121.585026 °
DWR ID	DWR_RD0349_03_f_2017_61				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	5.60	Rating **	M	Issue No.	89
LM End	5.60	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.326261 °	38.326261 °
				-121.584721 °	-121.584721 °
DWR ID	DWR_RD0349_03_s _ 2018_89				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	5.62	Rating **	M	Issue No.	90
LM End	5.62	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.326654 °	38.326654 °
				-121.584681 °	-121.584681 °
DWR ID	DWR_RD0349_03_s _ 2018_90				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

LM Start	5.65	Rating **	M	Issue No.	91
LM End	5.65	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.326981 °	38.326981 °
				-121.584711 °	-121.584711 °
DWR ID	DWR_RD0349_03_s_2018_91				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	5.69	Rating **	M	Issue No.	62
LM End	5.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.327531 °	38.327531 °
				-121.584874 °	-121.584874 °
DWR ID	DWR_RD0349_03_f_2017_62				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	6.15	Rating **	M	Issue No.	63
LM End	6.15	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.330856 °	38.330856 °
				-121.581075 °	-121.581075 °
DWR ID	DWR_RD0349_03_s_2018_63				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/06/2018 04/06/2018	Keith Millard

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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